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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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CAMPBELL STEPHENSON LLP 11401 CENTURY OAKS TERRACE BLDG. H, SUITE 250 AUSTIN, TX 78758			EXAMINER SHIH, HAOSHIAN	
			ART UNIT 2173	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/749,861	Applicant(s) LLOYD ET AL.	
	Examiner Haoshian Shih	Art Unit 2173	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 October 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5, 8-13, 16, 22 and 23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5, 8-13, 16, 22-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07/08/2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date: _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-5, 8-13, 16, 22-23 are pending in this application and have been examined in response to application amendment filed on 10/04/2007 with the benefit of provisional date of 12/09/2003.
2. Claims 6-7, 14-15 and 17-21 have been canceled.
3. Claims 22 and 23 are new.

Drawings

4. Fig.7 is objected to because "705" indicates a non-realtime information as "non-RT information", wherein the rest of the fig. Refers the non-realtime information as "N-RT information". Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the

renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claims 1 and 23 recites the limitation "significant delay" and "without significant delay". There is insufficient antecedent basis for this limitation in the claim. A further clarification is rendered in order to define what amount of time constitutes a "significant delay" and "without significant delay".

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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8. Claims 1-21 rejected under 35 U.S.C. 103(a) as being unpatentable over Fliess et al. (Fliess, US 7,168,045 B2), Schmitt (US 2004/0104947 A1) and Datta (US 2004/0128618 A1).

9. As to **INDEPENDENT** claim 1 Fliess discloses a method in a computer system for generating a display page, the method comprising:

receiving a request to generate a display page, wherein the display page comprises realtime information and non-realtime information, realtime information comprises information capable of being retrieved or generated without significant delay (col.5, lines 19-22; col.6, lines 8-12; realtime information is retrieved via a retrieval component wherein the realtime information are displayed without significant delay because no additional processes are required to display the realtime information), and non-realtime information comprises information for which retrieval or generation will result in significant delay (col.2, lines 31-38, "business objects", lines 39-44, "graphic objects"; the non-realtime "graphic objects" generated by the realtime "business objects" via fig.6, "670"; the "reporting and analysis" module generates associated charts and reports from the source system. Significant delay relative to the display of the realtime information, because extra steps are needed to transform realtime "business objects" to non-realtime "graphic objects");

retrieving the realtime information to be included on the requested display page (col.5, lines 19-22; col.6, lines 8-12; realtime information is retrieved via a retrieval component and a classification component and displayed via a view builder).

Fliess does not specifically disclose if a previously cached version of the non-realtime information is available, generating the requested display page comprising the retrieved realtime information and the previously cached non-realtime information; and if a previously cached version of the non-realtime information is not available, generating the requested display page comprising the retrieved realtime information and an indication that the non-realtime information is not yet ready for display, requesting generation of the non-realtime information, caching the generated non-realtime information, and generating the requested display page comprising the retrieved realtime information and the cached non-realtime information in response to a subsequent request for the requested display page.

In the same field of endeavor, Datta discloses if a previously cached version of the non-realtime information is available, generating the requested display page comprising the previously cached non-realtime information (fig.9, "904", "910"; if a content element is previously cached, display a webpage with the previously cached content element); and if a previously cached version of the non-realtime information is not available, generating the requested display page comprising, requesting generation of the non-realtime information, caching the generated non-realtime information, and generating

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the requested display page comprising the retrieved realtime information and the cached non-realtime information in response to a subsequent request for the requested display page (fig.9, "904", "912", "910"; if a previously cached content element is not available, generate the content element, store the content element in a buffer, then display a webpage with the content element).

It would have been obvious to one of ordinary skill in the art, having the teaching of Fliess and Datta before him at the time the invention was made, to modify the information representation interface taught by Fliess to include web page components cache Datta with the motivation being to improve web page delivery speed (Datta, [0002]).

Fliess and Datta does not disclose an indication that the non-realtime information is not yet ready to be included on the display page.

In the same field of endeavor, Schmitt discloses an indication that the non-realtime information is not yet ready to be included on the display page ([0043], a status indicator monitors and reports the status of contents represented in the portal).

It would have been obvious to one of ordinary skill in the art, having the teaching of Fliess and Datta and the teaching of Schmitt before him at the time the invention was made, to modify the information representation interface taught by Fliess and Schmitt to

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include status indicators taught by Schmitt with the motivation being to alert a user to the status or change in status that is relevant to the user (Schmitt, pg.2, [0012]).

10. As to claim 2, Schmitt discloses a link for requesting the display page (pg.4, [0051], [0053]; the status indicator is fully configurable in accordance to user input).

11. As to claim 3, Fliess discloses the request to generate the display page is received from a user (col.4, lines 4-6; the "client" sends a request to display the page).

12. As to claim 4, Fliess discloses the request to generate the display page is received when a user logs on to one of the computer system and a client coupled to the computer system (fig.7, "700"; col.8, lines 4-6).

13. As to claim 5, Fliess discloses the display page is a homepage (col.5, lines 54-57; the "web portal" provides an entry point for the user interface).

14. As to claim 8, Fliess discloses the generated information includes a graphical representation of information (col.1, lines 24-25; fig.1, "110"; business information are represented as different graphic objects).

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15. As to **INDEPENDENT** claim 9, see rationale addressed in the rejection of claim 1 above.

16. As to claim 10, claim 10 incorporates substantially similar subject matter as claimed in claim 2, and is rejected under the same rationale.

17. As to claim 11, claim 11 incorporates substantially similar subject matter as claimed in claim 3, and is rejected under the same rationale.

18. As to claim 12, claim 12 incorporates substantially similar subject matter as claimed in claim 4, and is rejected under the same rationale.

19. As to claim 13, claim 13 incorporates substantially similar subject matter as claimed in claim 5, and is rejected under the same rationale.

20. As to claim 16, claim 16 incorporates substantially similar subject matter as claimed in claim 8, and is rejected under the same rationale.

21. As to claim 22, discloses if a previously cached version of the non-realtime information is available,

requesting re-generation of the non-realtime information subsequent to said generating the requested display page comprising the previously cached non-realtime information,

caching the re-generated non-realtime information, and generating the requested display page comprising the retrieved realtime information and the cached re-generated non-realtime information in response to a subsequent request for the requested display page.

22. As to claim 22, see rationale addressed in the rejection of claim 1 above. Further, refreshing a display screen for the purpose of updating the status of a currently displayed web page is notoriously well known in the art.

23. As to claim 23, see rationale addressed in the rejection of claim 1 above.

Response to Arguments

24. Applicant's arguments filed 10/04/2007 have been fully considered but they are not persuasive.

25. Applicant argues that Fliess does not disclose the difference between realtime and non-realtime information.

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In response to applicant's argument, Fliess discloses having a non-realtime "graphic objects" (col.2 lines 39-44) generated by the realtime "business objects" (col.2, lines 31-38) via a "reporting and analysis" module (fig.6, "670") that generates associated charts and reports from the source system, delay relative to the display of the realtime information is presented, because extra steps are needed to transform realtime "business objects" to non-realtime "graphic objects".

Conclusion

26. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Haoshian Shih whose telephone number is (571) 270-1257. The examiner can normally be reached on m-f 0730-1700.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca can be reached on (571) 272-4048. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HSS


TADESSE HAILU
PRIMARY EXAMINER